

SWIM Connect 2015

Welcome

By: Malcolm Andrews
Enterprise Services, Director

Date: November 2, 2015



Federal Aviation
Administration

The logo for SWIM connect 2015, featuring the word "SWIM" in large, bold, black letters, followed by three blue circles of varying sizes. Below this, the words "connect 2015" are written in a smaller, black, sans-serif font. The entire logo is set against a white circular background with a blue gradient at the bottom right.

SWIM
connect 2015

WHAT IS SWIM?

System Wide Information Management (SWIM) is the infrastructure that allows members of the Aviation Community to access the information needed to facilitate an innovative and efficiently run National Airspace System (NAS).

What is SWIM doing for the Aviation community?

SWIM makes it possible to have access to real-time, relevant aeronautical, flight and weather information.



SWIM creates **collaboration opportunities** in the aviation industry



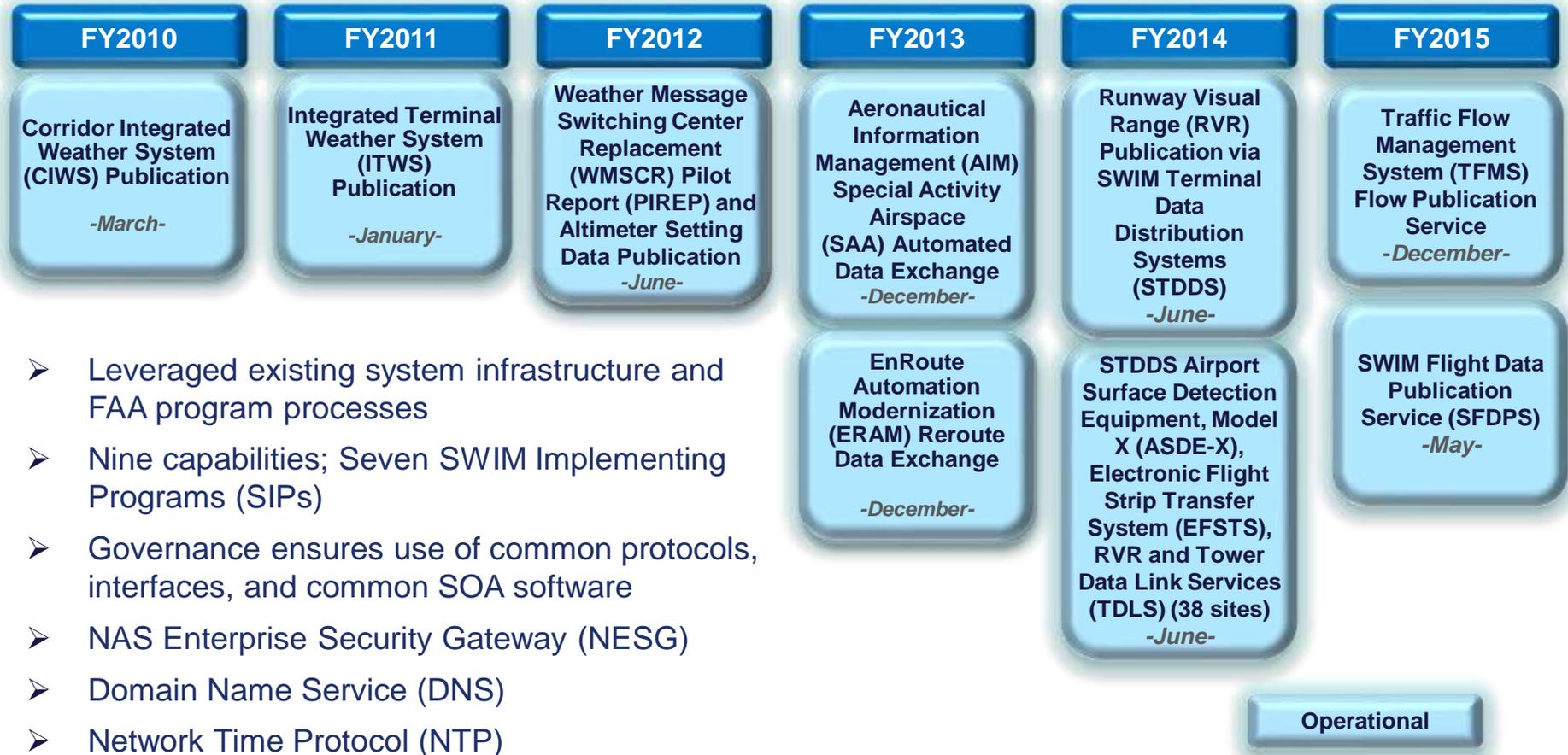
SWIM helps to **reduce costs** & increase agility.

DO MORE WITH LESS.



SWIM is the **Digital Data-Sharing BACKBONE** of NextGen.

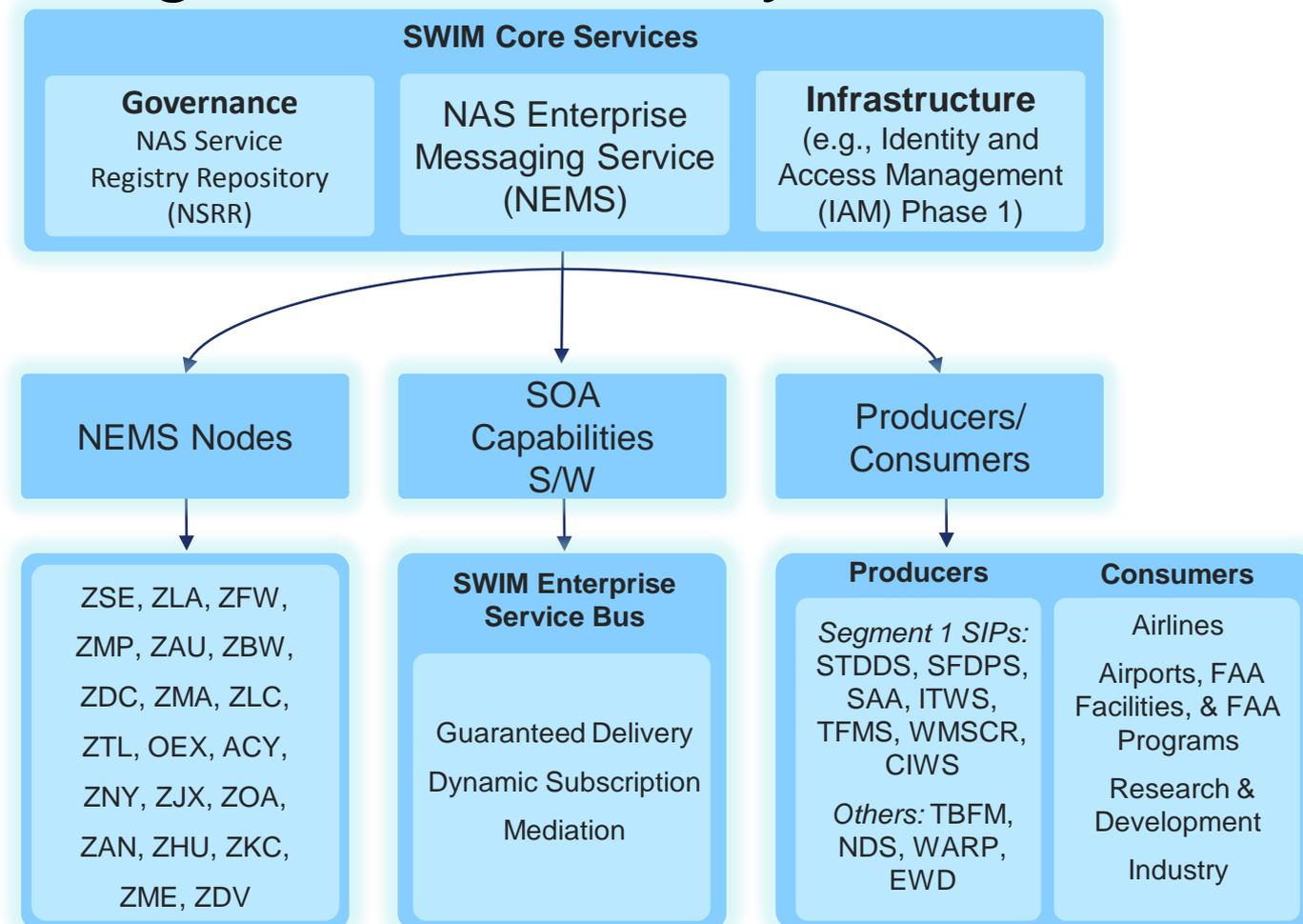
SWIM Segment 1 Program Overview/Status



- Leveraged existing system infrastructure and FAA program processes
- Nine capabilities; Seven SWIM Implementing Programs (SIPs)
- Governance ensures use of common protocols, interfaces, and common SOA software
- NAS Enterprise Security Gateway (NESG)
- Domain Name Service (DNS)
- Network Time Protocol (NTP)

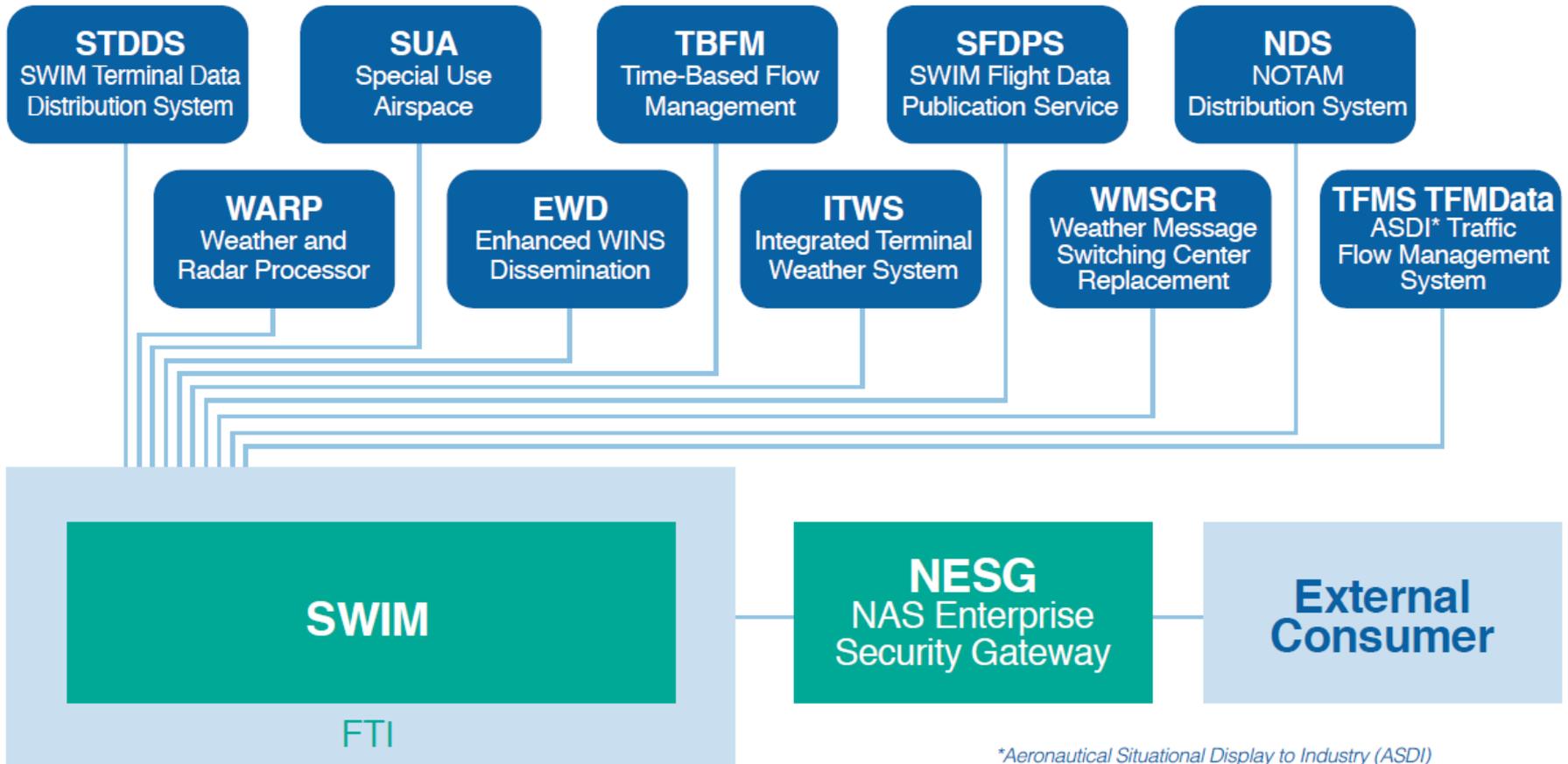
SWIM Segment 1 led the transformation and harmonization from NAS point to point interfaces and initiated common infrastructure

SWIM Segment 2A - Today



SWIM Segment 2A led the transformation and harmonization of NAS data sharing infrastructure

What's Available Through SWIM Today



What's Coming to SWIM

2016

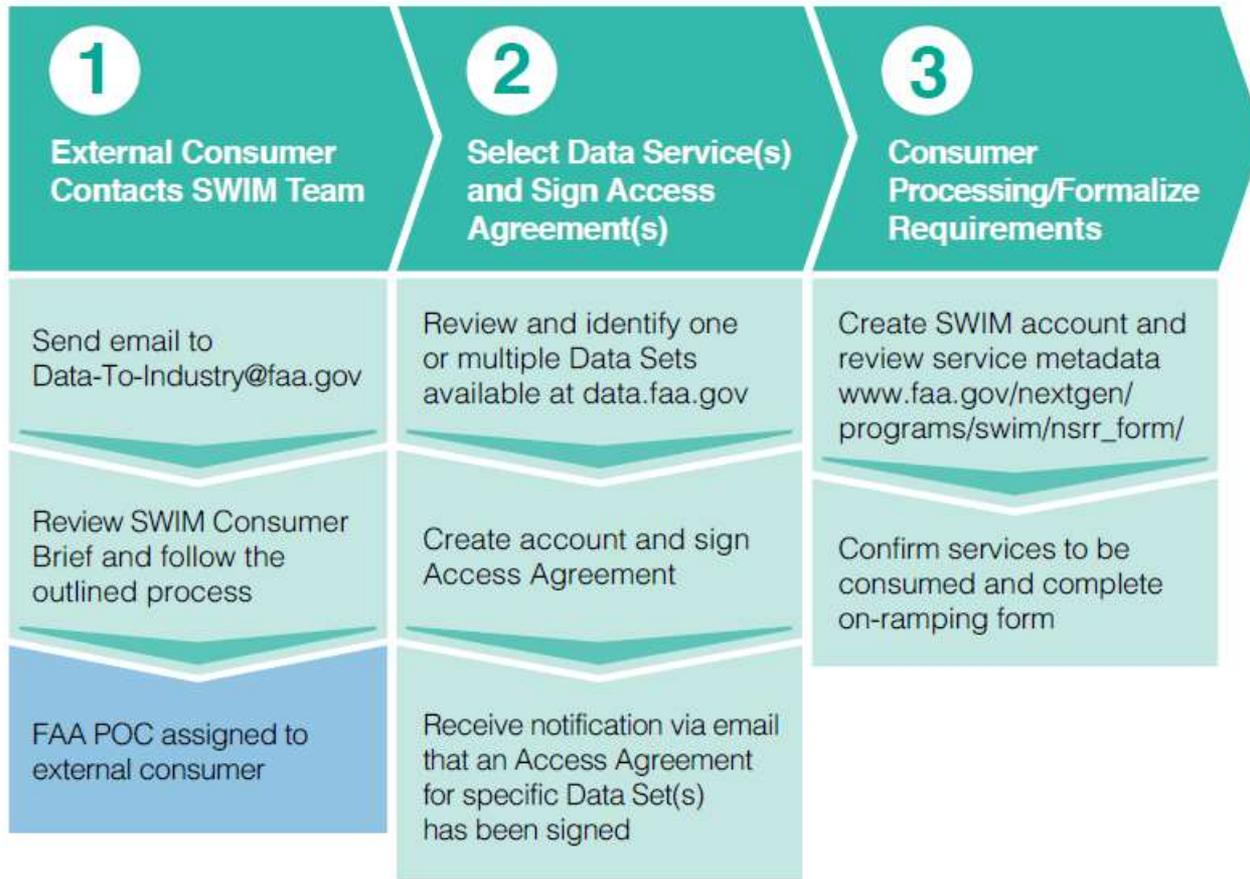
2017

2018

2019+



Getting Connected to SWIM

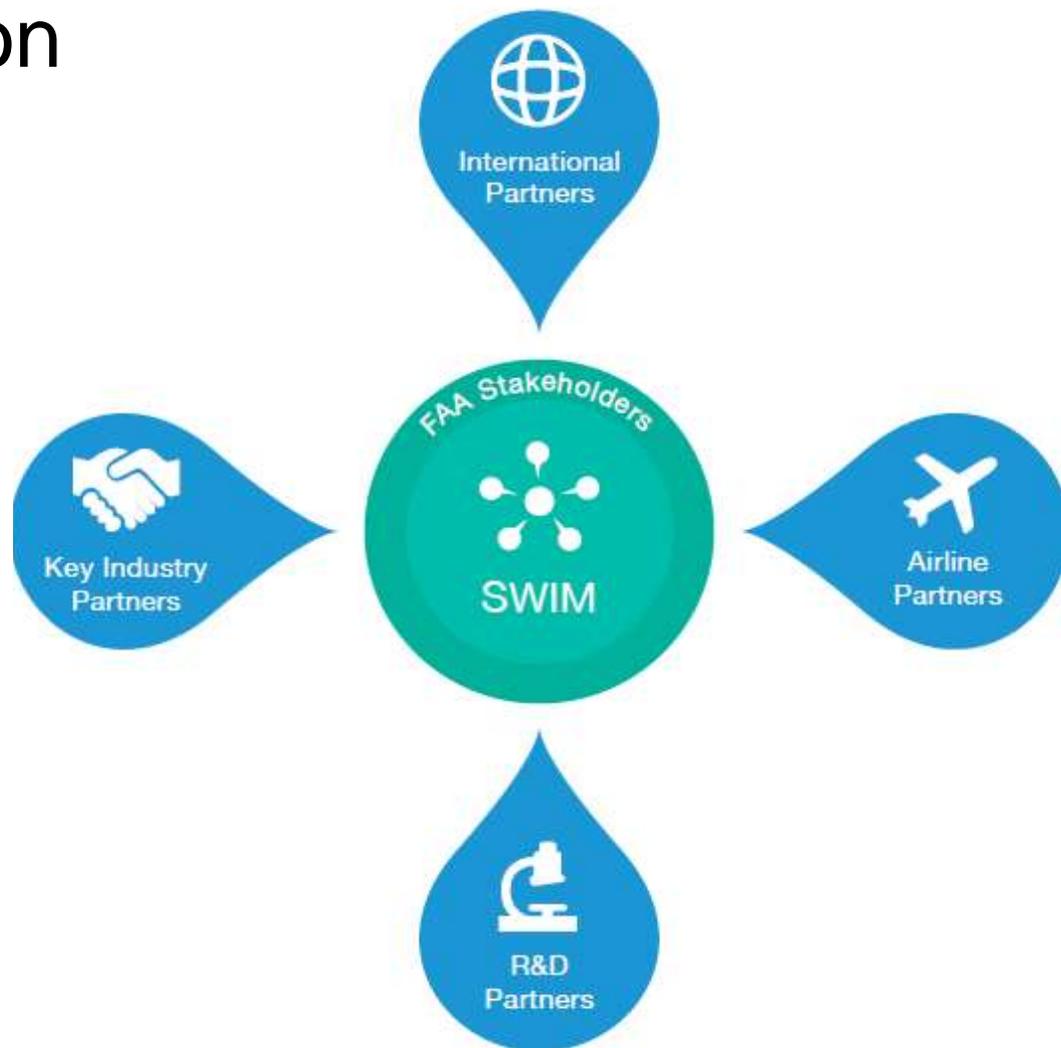


For more information:
faa.gov/nextgen/swim

SWIM Collaboration

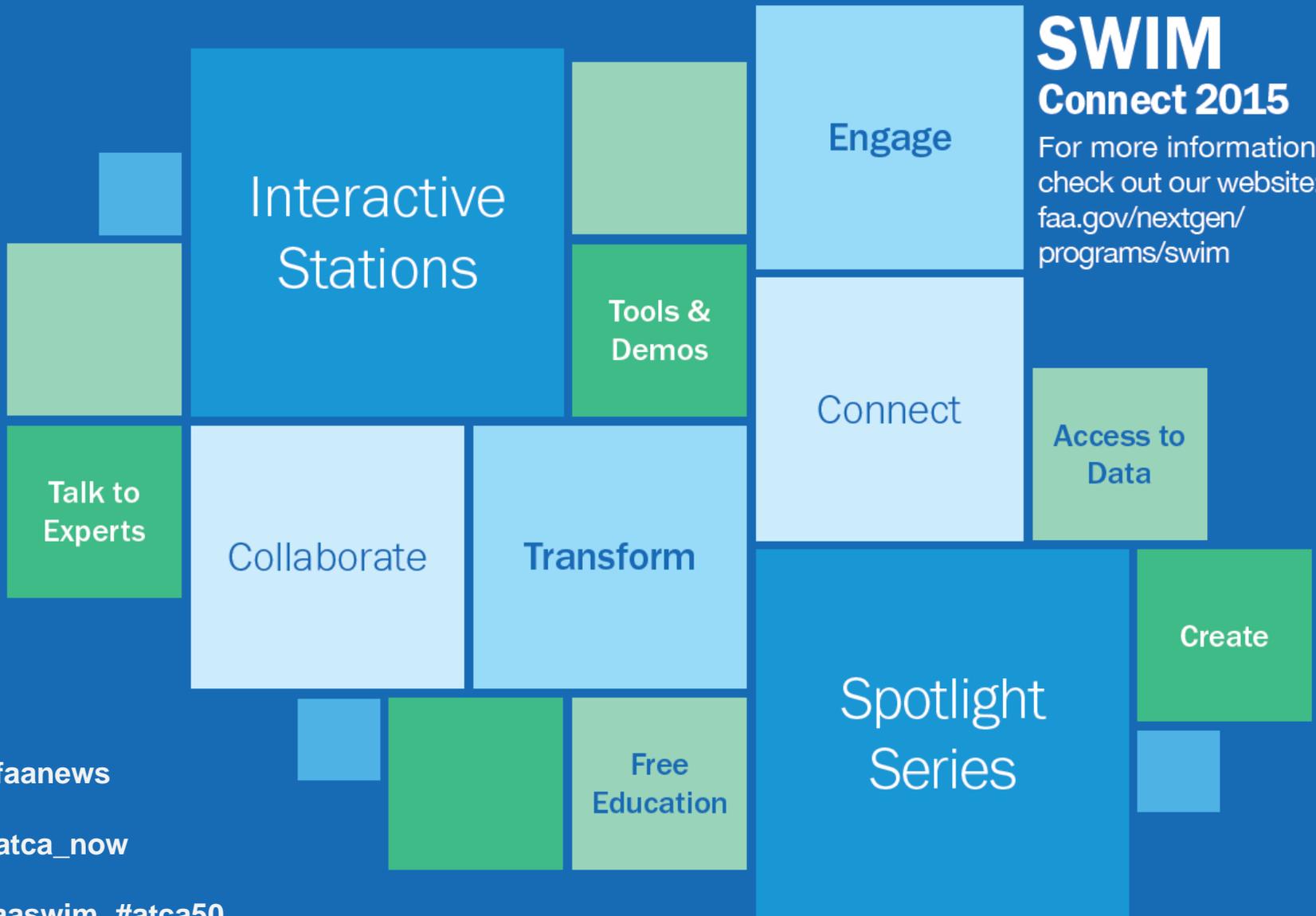
“No longer will an airline need to contact dozens of places to draw down surface movement information and weather from various airports.”

**–Michael Huerta,
FAA Administrator**



SWIM Connect 2015

For more information,
check out our website:
[faa.gov/nextgen/
programs/swim](http://faa.gov/nextgen/programs/swim)



@faanews

@atca_now

#faaswim, #atca50



Federal Aviation
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Monday November 2nd

SWIM in Practice: Enabling NextGen Through Information Exchange

- 10:00 – 10:20 Welcome
Malcolm Andrews, FAA
- 10:30 – 10:50 SWIM Today and Tomorrow:
Transforming Information Exchange
in the Aviation Community
Chris Pressler, FAA
- 11:00 – 11:20 NSRR: Making SWIM Services Visible
Mark Kaplun, FAA
- 11:30 – 12:00 Getting SWIM Data:
Onboarding to SWIM
Joseph Lahoud, FAA

- 1:30 – 1:50 Information Exchange in the Air:
Utilizing IP Data Links
Biruk Abraham, FAA
- 2:00 – 2:20 SWIM Enabling the Trajectory Based
Operations Concept
Mark Hollinshead, FAA
- 2:30 – 2:50 An Interagency Approach to
Information Management
Mitchell Bernstein, FAA



- 3:00 – 3:40 Industry Use of SWIM Today and Plans
for the Future
Nadine Alameh, Snowflake Software
Daniel Baker, FlightAware
Anuja Verma, MITRE
Moderator: Jeri Groce, FAA

Tuesday November 3rd

SWIM Collaboration: Partnerships that Modernize Information Services

10:00 – 10:20

Welcome
Maureen Cedro, FAA

11:00 – 11:20

Information Sharing on the Surface
Nick Lento, FAA

11:30 – 11:50

An Interactive Approach to Research
& Development
Jon Standley, FAA

12:00 – 12:20

Using SWIM in NextGen Development
Rocky Stone, United Airlines
Wade Lester, Embry-Riddle



1:00 – 1:20

The NOTAM Experience: SWIM and the
Department of Defense
Trish Gay, FAA
Jim Mills, DoD

2:00 – 2:20

Leveraging SWIM Services to Develop
NextGen Weather
Alfred Moosakhanian, FAA

3:00 – 3:20

SWIM Partnerships: Collaboration with
the FAA's Decision Support Service
(DSS) Programs
Rebecca Guy, FAA

Wednesday November 4th

International Perspective: Creating a Common Framework to Connect the Globe

9:30 – 9:50

Welcome
Pamela Whitley, FAA

10:00 – 10:40

Benefits of Using Global Standards
Maureen Keegan, FAA
Terry Idol, OGC
Steve Link, Harris
Moderator: Jon Standley, FAA

11:00 – 11:20

Creating a Global Framework for Information Exchange
Thien Ngo, FAA

11:30 – 11:50

Information Sharing in Commercial Space
Kevin Hatton, FAA

NextGEN

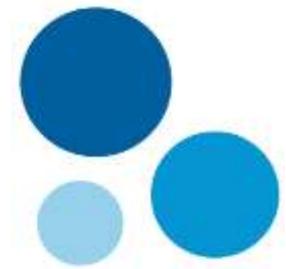
12:30 – 12:50

Collaboration for Global Interoperability: The Role of the Open Geospatial Consortium (OGC)
Charles Chen, Skymantics

1:00 – 1:20

SWIM's Global Impact: Perspectives from Past and Present SWIM Program Managers
Mike Hawthorne, Noblis
Ahmad Usmani, FAA
Don Ward, FAA
Moderator: Jeri Groce, FAA

Interactive Stations



today

*Accessing real time Weather,
Aeronautical, & Flight data
through a single connection*

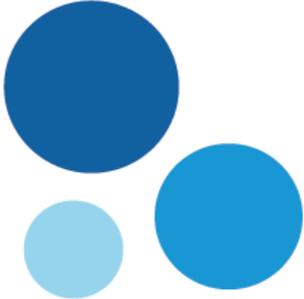
how to
connect

*Making it easy to discover,
connect and consume
SWIM services*

future

*Collaborating to create and
customize value added
tools and applications*



SWIM 
connect 2015
november 2-4